

# RESEARCH REVIEW TEAM DATA REQUEST

## JOINT INSTITUTE QUESTIONS

### CILER Responses

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1.) *Please provide the mission, and a brief history of your Joint Institute (JI).*

The Cooperative Institute for Limnology and Ecosystems Research (CILER), was established in 1989, and is the only joint institute with direct responsibilities for research in fresh water. CILER activities are not, however, limited to the limnetic environment; they also support research in estuarine and coastal marine environments. CILER research is focused in five areas: climate and large-lake dynamics, coastal and nearshore processes, large-lake ecosystem structure and function, remote sensing of large lake and costal ocean dynamics, and marine environmental engineering. The following four objectives serve as the over-arching mission of CILER: to improve the effectiveness of NOAA sponsored research on freshwater, coastal and estuarine areas with particular emphasis on Great Lakes issues by fostering collaboration between the NOAA/Great Lakes Environmental Research Laboratory and other federal, international, state, and local agencies and the Great Lakes academic research community; to serve as a focal point for the interaction between NOAA and the Great Lakes research community; to improve the effectiveness of graduate level education and expand the scientific research experiences available to graduate students; and, to provide expanding training opportunities in aquatic environmental research for both NOAA and academic community scientific and technical personnel.

2.) *What is the total amount of NOAA funding in the last full year of the Joint Institute's (JI's) academic period?*

Provided to you by Linda McLaughlin.

2a.) *Please break out funding provided by Lab/Center.*

Provided to you by Linda McLaughlin.

2b.) *Please provide the Research themes supported by the funding.*

Provided to you by Linda McLaughlin.

2c.) *What percent of your research, is short term (0-2 years), medium term (2-5 years), or long term (greater than 5 years)?*

Short Term = 65% / Medium Term = 20% / Long Term = 15%

2d.) *What is the geographic scope of your research - regional, national or global? (Please explain)*

Our geographic scope of research is primarily the Great Lakes Basin. However, CILER has funded research in other geographic areas such as Chesapeake Bay, Everglades and Florida

Bay, Georges Bank, Gulf of Maine, Lake Champlain, Penobscot Bay in Maine, and the Mississippi River.

3.) *What percent of the total Joint Institute funding comes from NOAA?*

49.67% — This percentage is calculated as a percent of total expenditures from the last full cooperative agreement funding year (ie, 7/1/02-6/30/03) and is a reflection of all funds (University, federal, and non-federal) and not just those awarded to CILER via the NOAA cooperative agreement NA17RJ1225.

4.) *What is the unique expertise that the JI brings to NOAA. ( e.g. special scientific skills)*

CILER strives to take advantage of the broad range of scientific expertise available at the University of Michigan and sponsors collaborative research programs involving faculty and students throughout various departments within our College of Engineering and the School of Natural Resource and Environment. The University of Michigan also provides access to some of the best undergraduate and graduate students to participate in our various research projects. The University of Michigan has historically had the strongest Great Lakes research program in the basin and provides not only a legacy of expertise but valuable long-term data sets and taxonomic collections. Collaborations with the Hydrodynamics Dynamics Laboratory in the Department of Naval Architecture and Marine Engineering provide additional facilities and resources such as a remotely-operated vehicle (M-ROVER) and a dynamic tow tank. In addition, CILER operates somewhat uniquely to many of the other JI programs in that we develop collaborative research programs with academic scientists from many different universities. In this manner we are able to bring the specific scientific expertise required for a given project.

5.) *Please provide a breakdown of staff funded by NOAA (such as scientist, engineers, computer specialists, and administrative). Include only staff, who receive 50% or more of their funding from NOAA.*

Research scientists	1
Visiting scientists	0
Postdoctoral research fellows	1
Research support staff	14
Administrative	3
High school student interns	3
Undergraduate students	15
Graduate students	6
TOTAL	43

*In your response please identify a contact person and a telephone number, in case clarifying information is needed.*

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